

## 2020 CERTIFICATION

Consumer Confidence Report (CCR)

City of Marker de

0 670		
List PWS ID #s for all Community Water		
The Federal Safe Drinking Water Act (SDWA) requires each Community Confidence Report (CCR) to its customers each year. Depending on the pothe customers, published in a newspaper of local circulation, or provided procedures when distributing the CCR.	pulation served by the PWS, this CCR mu	ist be mailed or delivered to
CCR DISTRIBUTION (Chec	k all boxes that apply.)	
INDIRECT DELIVERY METHODS (Attach copy of publication, water	bill or ainer)	DATE ISSUED:
Advertisement in local paper (Attach copy of advertisement)		24 June 2021
□ On water bills (Attach copy of bill)		
□ Email message (Email the message to the address below)		
Other		-
DIRECT DELIVERY METHOD (Attach copy of publication, water bill	or other)	DATE ISSUED
□ Distributed via U. S. Postal Mail		
□ Distributed via E-Mail as a URL (Provide Direct URL):		
□ Distributed via E-Mail as an attachment		
□ Distributed via E-Mail as text within the body of email message		
□    □    □    □    □    □    □	of of publication)	May 2021 - preson
Published in local newspaper (attach copy of published CCR or proceed in public places (attach list of locations)	11 Library Post Office	2. May 2621-10005
□ Posted online at the following address (Provide Direct URL):	<u> </u>	_ / /
CERTIFICA  I hereby certify that the CCR has been distributed to the customers above and that I used distribution methods allowed by the SDWA. I and correct and is consistent with the water quality monitoring data   Water Supply 20 is a set of the customers.	of this public water system in the forr further certify that the information incl	uded in this CCR is true
Name Cartin C	Lify Morager	<u>CA/01/2021</u>
SUBMISSION OPTIONS (Sele	ect one method ONLY)	
You must email, fax (not preferred), or mail a copy	y of the CCR and Certification to the	MSDH.
· · · · · · · · · · · · · · · · · · ·	mail: water.reports@msdh.ms.gov	
MSDH, Bureau of Public Water Supply P.O. Box 1700 Fa Jackson, MS 39215	<b>ax:</b> (601) 576-7800 (NOT	PREFERRED)

RECEIVED-WATER SUPPLY

# 2020 Annual Drinking Water Quality Report 2021 MAY 26 AM 8: 26 City of Moorhead PWS ID#: 0670008 May 2021

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Robert Martin at 662.246.5461. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Wednesday of each month at 5:30 PM at the Moorhead City Hall, 801 Johnny Russell.

Our water source is from three wells drawing from the Meridian Upper Wilcox and Upper Wilcox Aquifers. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells in the City of Moorhead have received lower susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

				TEST R	<b>ESULT</b>	S		
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic	Contai	ninants						
10. Barium	N	2019*	.0061	.00540061	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natura deposits

13. Chromium	N	2019*	2.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.219	.218219	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	120000	110000 - 120000	PPB	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfectio</b> 81. HAA5	on By-	-Product	9	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2017*	11.6	No Range	ppb	0	80	
Chlorine	N	2020	.7	0 – 1.4	ppm	0	MDRL = 4	Water additive used to control

<sup>\*</sup> Most recent sample. No sample required for 2020.

As you can see by the table, our system had no violations. We have learned through our monitoring and testing that some contaminants have been detected, however, the EPA has determined that your water IS SAFE at these levels.

In 2020 our system received a Consumer Confidence Rule Violation for not submitting this report by the July 1<sup>st</sup> deadline.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

## Significant Deficiencies

Monitoring and Reporting of Compliance Data Violations:

During a sanitary survey conducted on 4/13/2017, the Mississippi State Department of Health cited the following significant deficiency(s): Well near source of Fecal Contamination

Corrective Actions: This system is enrolled in the MSDH Well Abandonment grant program. This well is on the list to be abandoned based on funding availability by 12/31/2021.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The City of Moorhead is proud to continue to offer a great product to each customer. Our water is health dept. tested each month. We work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

# AFFIDAVIT OF PUBL

STATE OF MISSISSIPPI
COUNTY OF SUNFLOWER
CITY OF INDIANOLA:

Personally appeared before me, a Notary Public, I Debbie 5. Bethel, of The Enpublished in said City, County and State, who uposays: The notice, of which a copy is hereunto annual

was published in said newspaper weeks, a

Day of June

Day of

Day of

Day of

Signed:

And I further certify that I have examined above referred to, and find that the said notice has Subscribed and sworn to, before me this 25 da

Cost: \$ 480.00

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Commission Expires
Jul 13, 2021

### PUBLIC NOTICES

NOTICE OF INTENTION TO DIVERT OR WITH-DRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

OF MISSISSIPPI Notice is hereby given that on the 29th day of AFRIL 2021, TACKETT FISH FARNS 28393 COUNTY FOAD 520, SCHLATER MS 38952, has filed applica-toris) for permisj to dress or withdraw the public water of the Status of Mississippi The punctional of the State of Nessappi fix beneficial use, from the Massissopi fixer Allured, for ingation & fish outure purposes, subject to existing rights, the bil-buring armount (s) of water at the indicated location(s).

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6WH 10580 126 LEFORE
NW N OINE N SEC 28 1 200 H D INV
6WH 10597 190 LEFLORE
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In SECS 11 ZSP NOW.

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in protested, the application (s) will be taken for consideration by the Permit Board of the State of Massaccin in so-fices at 515 East Amile Street, Jackson, Mississippi 39201, on, or after July 13 2021, at which time all interested persons may appear and be heard by the Permit Board.

May appear as be read by the first Board YMD Joint Water Management District Anna M. Sulfivan Pormit Data Specialist 1t 08-24

# 2020 Annual Drinking Water Quality Report City of Moorhead PWS IDs: 0670008

We're pleased to present to you this yea's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our containt goal is to provide you with a self-early dependent supply of chiral and can be a self-early to the effects we induce to continually improve the dependent of the effects we induce to continually improve the first water to enter quality of your water. If you have any questions about this report or encouring your water thinks, plantes entants (below Martin at 569.2/65.5/61). We want our valued carteness to be informed about their water utility, induce contact Robert Martin at 569.2/65.5/61. We want our valued carteness to be informed about their water utility, but want to learn more, please at land only down greatery developed to the second Wednesday of each month of 5:30 PM at the Monthead City Hall, 801 Johnny Russell.

Our water source is from three wells drawing from the Meridian Upper Wilo α and Upper Wiloα Agusters. The source water assessment has been completed for our public water system to determine the overall susceptibility of six drinking water supply to identify potential sources of outstaining the Areport containing detailed information on large supply to identify obtained sources of outstaining the are outstaining detailed information on large supply to the proper source of the susceptibility determinations were made has been furnished to our public water system and is available for wisexing upon request. The wells in the City of Moorbead have received lower susceptibility rankings to contamination.

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In this table you will find many terms and abbreviations you might not be furnifiar with. To both you better un-derstand these terms we've provided the following definitions.

Action Level - the connectration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow:

Maximum Contaminant Level MCILD - The 'Maximum Allowed' MCILD is the highest level of a contaminant bank to allowed in drinking water MCILD are set as close to the MCILGs as feachle using the best available treatment

Maximum Contaminant Level Geal (MCLG): The "Geal/IMCLG) is the level of a contaminant in drinking water below which there is no longest or espected firsk to broklst. MCLGs allow for a transpir of safety. Maximum Rosidual Disinfectant Level (MRDL): The highest level of a during-tent allowed in drinking water There is convincing evidence that addition of a distinfectant is reconstay to control univokal contaminants.

Maximum Residual Distribectant Level Graal (AIRDLG) - The level of a drinking water distribectant below which were is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of distribectants to control drobbal contaminants.

Paris per million (ppm) or Muligrams per liter (mgfl) - one part per million corresponds to one minute in two urs or a single penny in \$10,000

Parts per billion typibler Micrograms per liter-one part per billion corresponds to one minute in 2,000 years, or ingle penny in \$10,000,000.

				TEST R	ESUL1	rs		
Coreaminary	YAN	Date Colocied	Lavel Detected	Range of Dearcas or # of Samples Exceeding Samples	Una Messure -meni	MCLG	MCL	Usely Source of Contemporation

13 Chronium	146	3013-	23	Sie Range	Me.	100	100	mysica of natural despoists
14 Gopper	N	2018/20	1	•	ppm	. 13	AL=13	
16 Fuotos		2019*	210	215 - 219	ррга		•	Expector of natural deposits, water additive which promotes strong tector, deptage from fedilizer and eluminum featuries
17 Land	N	2018/20	1	8	bbp		AL-15	Concessor of household plumbing systems, existen of natural deposits
Sedium	N.	3016.	120000	110000-120000	PPB			Road Sat, Wider Treatment Chamica's, Viorian Sufferent and Seeings Efficients
Disinfecti	on By	-Produc	is .			-		
AT HAAS	IN	2017	•	No Rarge	Mp	۰		is by Product of Britishy water distribution

AT HARS	N	3011.		No Rarge	Mp		63	By Product of Brinking water distribution.
Logal Logal	H	2017	11.6	no Kange	bbp		82	photographic of purpose water
Creating	×	2020		0-14	ppre	0	PEAGE .	Whose poderie used to control microbes
			District of	AND THE PARTY OF T				at Long Control of the Control of th

As you can see by the table, our system had so violations. We have learned through our monitoring and testing that some outaminants have been detected, however, the EPA has determined that your water IS SAFE at these levels.

In 2020 our system received a Consumer Confidence Rule Violation for not submitting this report by the July 11 deadline.

We are required to monitor your drinking water for specific contaminants on a monthly boars. Results or regular monitoring are an indicator of whether or not our drinking water meets houlth standards. In an effort to evaure systems complete all mentering requirements, MSDH one notifies systems of any missing samples prior to the end of the completing period.

If present, elevated levels of lead can cause serious health perblems, especially for pregnant wamen and young dilleten. Load in criming water in grinarily from materials and compounds associated with errice lines and home planning, water partnarily from materials and compounds associated with errice lines and home planning, water partnarily from materials and compounds associated with errice lines and home planning, water partnarily from materials and compounds associated with errice lines and home planning, water partnarily from materials and compounds associated with errice lines and home planning, water partnarily from materials and compounds to the properties of the compounds associated with errice lines were allowed to the compounds to the power of the properties of the properties of the planning water for drinking us containing the potential for feed exposure by flanking your tap for 30 seconds to 2 minutes before using water for drinking us cooking. If you are excovered about load in your water, you may wish to have your water tested.

Significant beneficiency at the properties of the properties of the properties of the planning and Reporting of Compliance Dala Violations:

During a sanitary survey of containing the plan of the MSDH Well Abandomment grant program. This well is on the list to be abandoned be

meant deep bevious. EAP CLOC guarantees on appropriate installs of statement and the Charlest of Special Contaminants are available from the Safe Definiting Water Hodine 1800-084791.

The City of Moorboad is proof to continue to offer a great product to each customer. Our water is bealth dept tested each month. We work around the dock to provide top quality water to cruzy tap. We ask that all qualified in the continue of the proof of the proof of the continuency of the dock to provide the quality water to cruzy tap. We ask that all qualified in future.